L Number	Hits	Search Text	DB	Time stamp
2	12933	off-hook or off adj hook	USPAT; EPO; JPO	2004/04/19 10:27
3	6303	on-hook or on adj hook	USPAT; EPO; JPO	2004/04/19 10:27
4	423799	oscillat$4	USPAT; EPO; JPO	2004/04/19 10:28
5	11377	voltage adj detector	USPAT; EPO; JPO	2004/04/19 10:40
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT; EPO; JPO	2004/04/19 10:28
1	19	galvanic adj2 isolat$3 adj2 barrier	USPAT; EPO; JPO	2004/04/19 10:32
8	1535	isolat$3 adj2 barrier	USPAT; EPO; JPO	2004/04/19 10:31
9	332	379/399.01.ccls.	USPAT; EPO; JPO	2004/04/19 10:32
10	43	((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier)	USPAT; EPO; JPO	2004/04/19 10:32
12	1	(voltage adj detector) and (oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier)))	USPAT; EPO; JPO	2004/04/19 10:32
11	22	oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))	USPAT; EPO; JPO	2004/04/19 10:35
13	1080592	voltage	USPAT; EPO; JPO	2004/04/19 10:40
14	22	(oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage	USPAT; EPO; JPO	2004/04/19 10:40
15	279180	amplitude	USPAT; EPO; JPO	2004/04/19 10:40
16	17	((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude	USPAT; EPO; JPO	2004/04/19 10:41
17	983451	ring	USPAT; EPO; JPO	2004/04/19 10:41
18	15	(((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude) and ring	USPAT; EPO; JPO	2004/04/19 12:51
23	312799	threshold	USPAT; EPO; JPO	2004/04/19 12:55
24	6	((((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude) and ring) and threshold	USPAT; EPO; JPO	2004/04/19 12:55

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4	423799	oscillat$4	USPAT; EPO; JPO	2004/04/19 10:28
5	11377	voltage adj detector	USPAT; EPO; JPO	2004/04/19 10:40
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT; EPO; JPO	2004/04/19 10:28
1	19	galvanic adj2 isolat$3 adj2 barrier	USPAT; EPO; JPO	2004/04/19 14:02
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11	22	oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))	USPAT; EPO; JPO	2004/04/19 10:35
13	1080592	voltage	USPAT; EPO; JPO	2004/04/19 10:40
14	22	(oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage	USPAT; EPO; JPO	2004/04/19 10:40
15	279180	amplitude	USPAT; EPO; JPO	2004/04/19 10:40
16	17	((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude	USPAT; EPO; JPO	2004/04/19 10:41
17	983451	ring	USPAT; EPO; JPO	2004/04/19 10:41
18	15	(((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude) and ring	USPAT; EPO; JPO	2004/04/19 12:51
23	312799	threshold	USPAT; EPO; JPO	2004/04/19 12:55
24	6	((((oscillat$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat$3 adj2 barrier))) and voltage) and amplitude) and ring) and threshold	USPAT; EPO; JPO	2004/04/19 12:55

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26	0	"6587560" and detect$3 near4 amplitude	USPAT; EPO; JPO	2004/04/19 14:03
27	1	"6587560" and amplitude	USPAT; EPO; JPO	2004/04/19 14:22
28	2	"6587560" and logic	USPAT; EPO; JPO	2004/04/19 14:50
29	1	"6587560" and detector	USPAT; EPO; JPO	2004/04/19 14:55
30	1	"6587560" and oscillator	USPAT; EPO; JPO	2004/04/19 15:09
31	1	("6587560" and oscillator) and ((off-hook or off adj hook) and (on-hook or on adj hook))	USPAT; EPO; JPO	2004/04/19 15:06
32	1	"20010036263" and third adj level	USPAT; US-PGPUB; EPO; JPO	2004/04/19 15:07
33	1	"20010036263" and third	USPAT; US-PGPUB; EPO; JPO	2004/04/19 15:09
34	1	"20010036263" and null	USPAT; US-PGPUB; EPO; JPO	2004/04/19 15:09
35	2	"6587560" and (low or high or null)	USPAT; EPO; JPO	2004/04/19 15:10
36	1	isolat$3 adj2 barrier with voltage adj detector	USPAT; EPO; JPO	2004/04/19 16:21
38	1	"6587560" and voltage near3 detect$3	USPAT; EPO; JPO	2004/04/19 15:54
39	1	"6587560" and detect$3 adj3 voltage	USPAT; EPO; JPO	2004/04/19 15:58
40	2	"6587560" and voltage	USPAT; EPO; JPO	2004/04/19 16:02
41	2	("6587560" and voltage) and detect$3	USPAT; EPO; JPO	2004/04/19 16:03
42	0	isolat$3 adj2 barrier with null	USPAT; EPO; JPO	2004/04/19 16:21
43	2252392	null ad2 signal	USPAT; EPO; JPO	2004/04/19 16:22

44	19	(galvanic adj2 isolat$3 adj2 barrier) and (null ad2 signal)	USPAT; EPO; JPO	2004/04/19 16:23
45	10	(galvanic adj2 isolat$3 adj2 barrier) and detect$3	USPAT; EPO; JPO	2004/04/19 16:41
46	14	(isolat$3 adj2 barrier) same (off-hook or off adj hook) same (on-hook or on adj hook)	USPAT; EPO; JPO	2004/04/19 17:56
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48	269	oscillat$4 and (isolat$3 adj2 barrier)	USPAT; EPO; JPO	2004/04/19 17:56
49	13	(voltage adj detector) and (oscillat$4 and (isolat$3 adj2 barrier))	USPAT; EPO; JPO	2004/04/19 18:14
50	104	("3750024" | "3904833" | "3981006" | "4054941" | "4066843" | "4118603" | "4216426" | "4271526" | "4349821" | "4384274" | "4393516" | "4415777" | "4475208" | "4528664" | "4541104" | "4594577" | "4607170" | "4656661" | "4686697" | "4686699" | "4712233" | "4720811" | "4901217" | "4943807" | "4996529" | "5021950" | "5032819" | "5051799" | "5068659" | "5086454" | "5224154" | "5237511" | "5258721" | "5260941" | "5262779" | "5311588" | "5323451" | "5333196" | "5337338" | "5343514" | "5343516" | "5355407" | "5355468" | "5361067" | "5361296" | "5375051" | "5377260" | "5384808" | "5390249" | "5406283" | "5426698" | "5438678" | "5442694" | "5459721" | "5467385" | "5473552" | "5506900" | "5506903" | "5509068" | "5511118" | "5521967" | "5533053" | "5544241" | "5546448" | "5555100" | "5561712" | "5577104" | "5592529" | "5598157" | "5644629" | "5654984" | "5659608" | "5675640" | "5694465" | "5705978" | "5721774" | "5737411" | "5740241" | "5745060" | "5751803" | "5790656" | "5805687" | "5818923" | "5841840" | "5848133" | "5859584" | "5870046" | "5875235" | "5881102" | "5881129" | "5901210" | "5907596" | "5914671" | "5917364" | "5940459" | "5946393" | "5959372" | "5982317" | "5991335" | "6005923" | "6061051" | "6072778" | "6081586" | "6111939").PN.	USPAT	2004/04/19 18:12
51	1	5369666.pn.	USPAT; EPO; JPO	2004/04/19 18:14

Patent Assignment Abstract of Title

Total Assignments: 1

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PCT #: NONE **Publication #:** 20010036263 **Pub Dt:** 11/01/2001

Inventors: Fabrice Guitton, Andre Bremond

Title: Line take-up detection circuit

Assignment: 1

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